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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Flecto Co.

Product Name: Varathane Professional Aerosol (DISCONTINUED)



# Material Safety Data Sheet

## Section 1: Chemical Product and Company Identification

Common Name	<b>Varathane® Professional Clear Finish Aerosol</b>	Code	Professional Clear Finish Aerosol Products
Supplier	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608	MSDS#	March 1998
Synonym	900-81, 1000-81, 1100-81	TSCA Inventory	All Ingredients have been reviewed.
Trade name	Varathane® Professional Clear Finish	Validation Date	3/2/98
Material Uses	Use as interior wood finish.	Print Date	3/2/98
Manufacturer	Diversified Brands 31500 Solon Road Solon, OH 44139-3528	In case of Emergency	Emergency phone: 800-255-3924 For Information Call: 800-635-3286

## Section 2: Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Mineral Spirits Acetone	064742478 67-64-1	<25.0 <20.0	TWA: 100 (ppm) TWA: 1000 (ppm)	Not available. ORAL (LD50): Acute: 3000 mg/kg [Mouse]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit]. VAPOR (LC50): Acute: 29853 ppm 4 hour(s) [Rat].
Xylene	001330207	<1.0	TWA: 100 CEIL: 150 (ppm) TWA: 435 CEIL: 655 (mg/m³)	ORAL (LD50): Acute: 4300 mg/kg [Rat]. 6100 mg/kg [Rat].
Methyl ethyl ketone	000078933	<10	TWA: 200 CEIL: 300 (ppm) TWA: 590 CEIL: 885 (mg/m³)	ORAL (LD50): Acute: 2737 mg/kg [Rat]. 3400 mg/kg [Rat]. 3600 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].
Butanol-1	000071363	<4.0	TWA: 50 (ppm) TWA: 150 (mg/m³)	ORAL (LD50): Acute: 2510 mg/kg [Rat]. 4360 mg/kg [Rat]. DERMAL (LD50): Acute: 5300 mg/kg [Rabbit].
Toluol	000108883	<2.0	TWA: 100 CEIL: 150 (ppm) TWA: 375 CEIL: 560 (mg/m³)	ORAL (LD50): Acute: 6520 mg/kg [Rat]. 2600 mg/kg [Rat]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit].
Propane	000074986	<15.0	TWA: 1000 (ppm)	Not available.
Isobutane	000075285	<15.0	Not available.	Not available.

## Section 3: Hazards Identification

Emergency Overview	<b>EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.</b>
Potential Acute Health Effects	Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.

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Potential Chronic Health Effects	<p><b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH [Acetone].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Not available.</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not toxic.</p> <p>The substance is toxic to blood, kidneys, lungs, liver, the nervous system.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage.</p>
Target Organs:	The substance is toxic to the nervous system, blood, kidneys, lungs, liver.
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Medical Conditions Aggravated by Overexposure:	Not available.
Signs and Symptoms of Overexposure:	Not available.

### Section 4: First Aid Measures

Eye Contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	No additional information.

### Section 5: Fire and Explosion Data

Flammability of the Product	Flammable.
Auto-Ignition Temperature	Not available.
Flash Points	The lowest known value is CLOSED CUP: -104°C (-155.2°F). (TAG). (Propane)
Flammable Limits	The greatest known range is LOWER: 2.6% UPPER: 12.8% (Acetone)
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Extremely flammable in presence of open flames and sparks, of heat. Flammable in presence of oxidizing materials, of reducing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

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Fire Fighting Media and Instructions	Flammable liquid. SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	Combustible. (Mineral Spirits) Container explosion may occur under fire conditions or when heated.
Special Remarks on Explosion Hazards	No additional remark.

**Section 6: Accidental Release Measures**

Small Spill	Mop up or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**Section 7: Handling and Storage**

Handling	After handling, always wash hands thoroughly with soap and water. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep out of reach of children.

**Section 8: Exposure Controls/Personal Protection**

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Splash goggles. Lab coat. Vapor and dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Gloves. Wear appropriate respirator when ventilation is inadequate.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

Chemical Name or Product Name	CAS #	Exposure Limits
Mineral Spirits	064742478	TWA: 100 (ppm)
Dimethylketone	67-64-1	TWA: 1000 (ppm)
Xylene	001330207	TWA: 100 CEIL: 150 (ppm) TWA: 435 CEIL: 655 (mg/m <sup>3</sup> )
Methyl ethyl ketone	000078933	TWA: 200 CEIL: 300 (ppm) TWA: 690 CEIL: 835 (mg/m <sup>3</sup> )
Butanol-1	000071363	TWA: 50 (ppm) TWA: 150 (mg/m <sup>3</sup> )
Toluol	000108883	TWA: 100 CEIL: 150 (ppm) TWA: 375 CEIL: 590 (mg/m <sup>3</sup> )
Propane	000074986	TWA: 1000 (ppm)
Isobutane	000075285	Not available.

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**Section 9. Physical and Chemical Properties**

Physical state and appearance	Liquid	Odor	Hydrocarbon.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Not applicable.	Color	Light Straw color
Boiling/Condensation Point	Not available.		
Melting/Sublimation Point	Not available.		
Critical Temperature	Not available		
Specific Gravity	0.72 (Water = 1)		
Vapor Pressure	The highest known value is 6538 mm of Hg (@ 20°C) (Propane).		
Vapor Density	The highest known value is 4.9 (Air = 1) (Mineral Spirits).		
Volatility	<90% (v/v).		
Odor Threshold	The highest known value is 2.14 ppm (Toluol)		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/Oil Dist. Coeff.	The product is more soluble in oil.		
Ioncity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	The product is more soluble in oil.		
Physical Chemical Comments	No additional remark.		

**Section 10. Stability and Reactivity Data**

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Reactive with oxidizing agents, reducing agents. Slightly reactive with acids, alkalis, moisture.
Hazardous Decomposition Products	Not available
Hazardous Polymerization	No.

**Section 11. Toxicological Information**

Toxicity to Animals	<b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b> Acute oral toxicity (LD50): 2510 mg/kg [Rat]. (Butanol-1). Acute dermal toxicity (LD50): 5300 mg/kg [Rabbit]. (Butanol-1). Acute toxicity of the vapor (LC50): 29853 ppm 4 hour(s) [Rat.]. (Acetone).
Chronic Effects on Humans	<b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH [Acetone]. <b>DEVELOPMENTAL TOXICITY:</b> Not toxic. The substance is toxic to blood, kidneys, lungs, liver, the nervous system.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	No additional remark.

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Special Remarks on Chronic Effects on Humans	Embryotoxic and/or fetotoxic in animal. Detected in maternal milk in human. Passes through the placental barrier in human. (Methyl ethyl ketone)
Special Remarks on other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Acetone)


**Section 12: Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	No additional remark.

**Section 13: Disposal Considerations**

Waste information	Use product or recycle. Consult local or regional authorities. Do not puncture or incinerate container or store at temperatures above 49°C.
Waste stream	Not available.

**Section 14: Transport Information**

DOT Classification	Consumer Commodity ORM-D	
Proper Shipping Name	Paint	
DOT Identification Number	ORM-D	
Packing Group	None.	
Maritime transportation	Not available.	
Hazardous Substances Reportable Quantity	Not available.	
Special Provisions for Transport	No additional remark.	
TDG Classification	TDG CLASS 3: Flammable liquid.	
ADR Classification	ADR CLASS: Flammable liquid A. Flammable liquid with a flash point lower than 21°C (70°F).	
IMDG Classification	IMDG CLASS 3: Flammable liquid.	
IATA Classification	IATA CLASS 3: Flammable liquid.	

**Section 15: Regulatory Information**

Federal and State Regulations	California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluol;  SARA 313 toxic chemical notification and release reporting: Ethyleneglycol monobutyl ether; Xylene; Ethylbenzene; Glycol Ether, Diethylene glycol monobutyl ether; Toluol; Methyl ethyl ketone; Butanol-1;  CERCLA hazardous substances: Diethylene glycol monobutyl ether;
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Other Classifications	WHMIS (Canada)	WHMIS CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC) WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).
	Canadian Regulatory Lists	CEPA DSL: Mineral Spirits; Xylene; Organo Clay; Amorphous silica;
	DSCL (EEC)	R11- Highly flammable
	International Regulatory Lists	No products were found.

**Section 16: Other Information****HMIS (U.S.A.)**

Health Hazard	2
Fire Hazard	4
Reactivity	0
Personal Protection	J

**National Fire  
Protection  
Association (U.S.A.)**

Health



Fire Hazard

Reactivity

Specific hazard

**References** MSDS information of components.**Other Special Considerations** This material is transported as a Consumer Commodity and is classed as ORM-D. This aerosol is less than 67% VOC by weight and complies with Air Quality Regulations in the USA. Packaged in 11 25 ounce steel aerosol containers.

Validated by Ken Trautwein on 3/2/98.

Verified by Jim Tuck.

Printed 3/2/98.

**Emergency phone:**

800-255-3924

**For Information Call:**

800-635-3286

**Notice to Reader**

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